

## ***Amendments to the Claims***

The following listing of claims shall replace all prior listings and versions of claims in this application.

### ***Listing of Claims:***

1-54 (Cancelled)

55. (Currently Amended) An implant comprising:

a bone-facing distal surface,

a proximal surface; and

a protrusion extending at least partially around said distal surface of said implant,  
~~said protrusion formed as an extension of said distal surface and said proximal surface~~  
wherein at least a portion of said protrusion is configured to extend over at least a portion an un-excised articular surface proximate the implant.

56. (Previously Presented) An implant according to claim 55 further comprising a radial ring extending from said distal surface.

57. (Previously Presented) An implant according to claim 56, wherein said protrusion comprises an extension from said radial ring and an extension of said proximal surface.

58. (Previously Presented) An implant according to claim 56, said radial ring comprising at least one radial slot.

59. (Currently Amended) An implant according to claim 55 wherein ~~said protrusion is adapted to cover at least a portion of un-excised articular surface, and~~

~~wherein~~ a distal surface of said protrusion has a shape based on said un-excised articular surface.

60. (Previously Presented) An implant according to claim 55, wherein said implant is substantially round and said protrusion extends circumferentially from said implant.

61. (Previously Presented) An implant according to claim 55, wherein said distal surface is configured to mate with an implant site created by excising a portion of an articular surface.

62. (Currently Amended) An implant comprising:  
a bone-facing distal surface comprising a radial ring extending therefrom;  
a proximal surface; and  
a protrusion extending at least partially around a periphery of said implant, said protrusion comprising an extension from said radial ring and an extension from said proximal surface, wherein at least a portion of said protrusion is configured to extend over at least a portion an un-excised articular surface proximate said implant.

63. (Previously Presented) An implant according to claim 62 wherein said radial ring comprises at least one radial slot.

64. (Previously Presented) An implant according to claim 62 wherein said radial ring comprises an arcuate edge, and said protrusion comprises an extension from said arcuate edge.

65. (Currently Amended) An implant comprising:  
a bone-facing distal surface;  
a proximal surface; and

an outer perimeter generally disposed about said distal and said proximal surfaces comprising at least two surfaces each having a concentric arcuate shape with a common center and a first and at least a second generally opposing side surfaces extending generally along a length of said implant between said at least two arcuate shaped surfaces, wherein said outer perimeter has~~ing~~ a truncated circular shape.

66. (Previously Presented) An implant according to claim 65, wherein said truncated circular shape comprises a circular shape truncated on two opposed sides.

67. (Cancelled)

68. (Previously Presented) An implant according to claim 65, further comprising a protrusion extending around at least a portion of said implant, said protrusion configured to cover an un-excised portion of an articular surface proximate said implant.

69. (Previously Presented) A method of mapping a surface contour of an articular surface comprising:

- establishing a working axis extending from said articular surface;
- providing a first probe having a first diameter;
- measuring a height of at least one point of said articular surface generally on an first plane of said articular surface;
- providing a second probe having a second diameter; and
- measuring a height of at least one point of said articular surface generally on a second plane of said articular surface.

70. (Previously Presented) A method according to claim 69, wherein said first diameter of said first probe is larger than said second diameter of said second probe.

71. (Previously Presented) A method according to claim 69, wherein an arc-length of said articular surface along said first plane is greater than an arc-length of said articular surface along said second plane.